

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Michael R. Krause et al.

Confirmation No.: 4254

Application No.: 09/980,761

Examiner: Unassigned

Filing Date: Nov. 26, 2001

Group Art Unit:

Title: RELIABLE MULTI-UNICAST

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

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Technology Center 2100

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- () Response/Amendment () Petition to extend time to respond
() New fee as calculated below () Supplemental Declaration
() No additional fee (Address envelope to "Box Non-Fee Amendments")
(X) Other: Recordation Form Cover Sheet; Assignment Document (fee \$ 40.00)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS		MINUS		= 0	X \$18	\$ 0
INDEP. CLAIMS		MINUS		= 0	X \$84	\$ 0
[] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$280	\$ 0
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$400.00	3RD MONTH \$920.00	4TH MONTH \$1440.00		\$ 0
OTHER FEES						\$ 40
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 40

Charge \$ 40 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit: April 12, 2002

Typed Name: Patrick G. Billig

Signature: 

Respectfully submitted,

Michael R. Krause et al.

By 

Patrick G. Billig

Attorney/Agent for Applicant(s)

Reg. No. 38,080

Date: April 12, 2002

Recordation Form Cover Sheet
Additional Name(s) & address(es)

IBM Corporation
Armonk, New York

Compaq Computer Corporation
Houston, Texas

Adaptec, Inc.
Milpitas, California

PATENTS ONLY

Attorney Docket No. 10003628

1. Name of conveying party(ies):

Michael R. Kräuse; and
Renato J. Recio.

2. Name and address of receiving party(ies):

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, Colorado 80527-2400

Additional name(s) of conveying party(ies) attached ☐ Yes ☒ No

Additional name(s) & address(es) attached? ☒ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment

☐ Merger

☐ Change of Name

☐ Security Agreement

☐ Other

Execution Date(s): 3/25/02; and 3/25/02

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Application No.: 09/980,761

Date Filed: Nov. 26, 2001

Confirmation No.: 4254

Additional numbers attached? NO

5. Name and address of party to whom correspondence concerning document should be mailed:

Records Manager
HEWLETT-PACKARD COMPANY
Legal Dept., M/S 79
3404 E. Harmony Road
Fort Collins, CO 80528

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$40.00

☐ Enclosed

☒ Authorization to be charged to deposit account.

8. Deposit Account Number: 08-2025

04/26/2002 GFREY1 00000103 082025 09980761

01 FLSB1 40.00 CH

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Patrick G. Billig

Name of Person Signing

Signature

Apr 12, 2002

Date

Total number of pages including cover sheet, attachments, and document: 4

OMB No. 0651-0011 (exp. 4/94)

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Mail document to be recorded with required cover sheet information to:

Commissioner for Patents
Box Assignment
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When recorded please return to:

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, Colorado 80528-9599

PATENT APPLICATION

ATTORNEY DOCKET NO. 10003628

In WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Inventor's Signature (Seal)

Date Assignment Signed:

3/25/02

Date Application Signed:

3/25/02

Inventor's Typed Name: Renato J. Recio

State of Texas)
County of Travis) ss.:

Before me this 25 day of March, 2002, personally appeared Renato J. Recio, who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Leigh Ann Guthomson
Notary Public
My commission expires: 4-22-03

In WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Inventor's Signature (Seal)

Date Assignment Signed:

Inventor's Typed Name:

Date Application Signed:

State of)
County of) ss.:

Before me this ____ day of _____, 2002, personally appeared _____, who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public
My commission expires:

In WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Inventor's Signature (Seal)

Date Assignment Signed:

Inventor's Typed Name:

Date Application Signed:

State of)
County of) ss.:

Before me this ____ day of _____, 2002, personally appeared _____, who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public
My commission expires:

When recorded please return to:

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO: 10003628

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed to assign to HEWLETT-PACKARD COMPANY, a Delaware corporation, having its principal place of business in Palo Alto, California, (hereinafter HP) and IBM Corporation, a New York corporation having its principal place of business in Armonk, New York, (hereinafter IBM), and Compaq Computer Corporation, a Delaware corporation having its principal place of business in Houston, Texas, (hereinafter Compaq), and Adaptec, Inc., a Delaware corporation having its principal place of business in Milpitas, California, (hereinafter Adaptec) in furtherance of my/our obligations to HP and IBM and Compaq and Adaptec, and do hereby assign and transfer to HP and IBM and Compaq and Adaptec jointly, their successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

RELIABLE MULTI-UNICAST

Filing date: November 26, 2001

Serial No.: 09/980,761

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent.

I/we additionally authorize HP and IBM and Compaq and Adaptec to file applications in my/our name for Letters patent in any country, to be held and enjoyed by HP and IBM and Compaq and Adaptec jointly, their successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HP, IBM, Compaq and Adaptec their successors, assigns, nominees or legal representatives, and I/we agree to communicate to HP, IBM, Compaq and Adaptec, or their nominees, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HP, IBM, Compaq and Adaptec, their successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HP, IBM, Compaq, and/or Adaptec;

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HP, IBM, Compaq and Adaptec, jointly, as assignees of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct HP, IBM, Compaq and Adaptec attorneys to insert the serial number and filing date of said application now identified by the attorney docket numbers and title set forth above once the same shall have been made known to them by the United States Patent and Trademark Office.

In WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Michael R. Krause
Inventor's Signature (Seal)

Date Assignment Signed: 3/25/2002

Inventor's Typed Name: Michael R. Krause

Date Application Signed: 3/25/2002

State of _____)
County of _____) ss.:
_____)

Before me this ____ day of _____, 2002, personally appeared _____, who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public
My commission expires: _____

(Use Page Two For Additional Inventor(s) Signature(s))